FIG. 1

MEDIA CONTENT → EXTRACTION STEP 102

CONTEXT DESCRIPTION DATA → SELECTION STEP 101

SELECTION SEGMENT

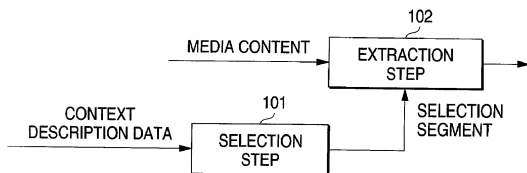## FIG. 2
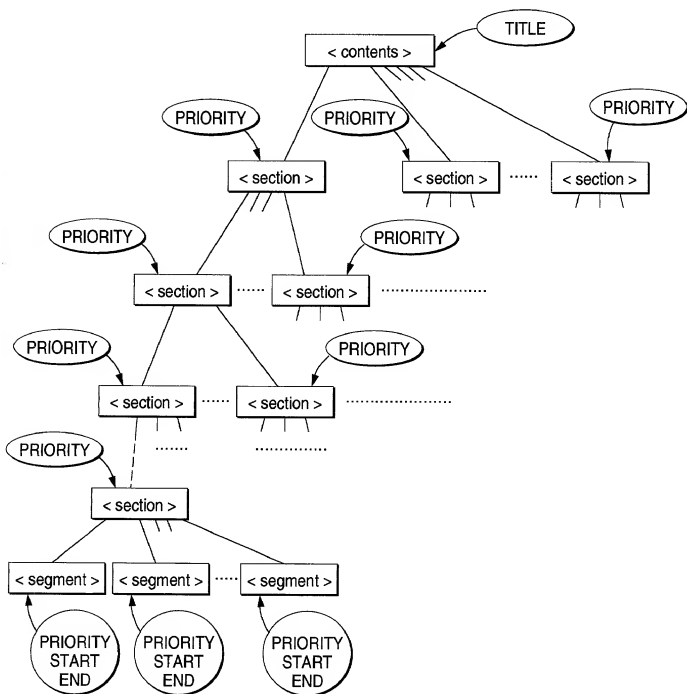
FIG. 3

DTD FOR DESCRIBING CONTEXT DESCRIPTION DATA THROUGH USE OF XML

```
<?xml version="1.0"?>

<!ELEMENT  contents   (section+)>
<!ATTLIST  contents   contents-id  CDATA      #REQUIRED
                      title        CDATA      #REQUIRED
                      runtime      NMTOKEN    #REQUIRED>
<!ELEMENT  section    (section+|segment+)>
<!ATTLIST  section    caption      CDATA      #IMPLIED
                      priority     NMTOKEN    #REQUIRED>
<!ELEMENT  segment    EMPTY>
<!ATTLIST  segment    start        CDATA      #REQUIRED
                      end          CDATA      #REQUIRED
                      priority     NMTOKEN    #REQUIRED>
```

ONE EXAMPLE OF XML DOCUMENT RELATING TO CONTEXT DESCRIPTION DATA PREPARED BY DTD

```
<?xml version="1.0" encoding="euc-jp"?>
<!DOCTYPE contents SYSTEM "http://mserv.trl.mei.co.jp/SMML/program01.dtd">

<contents contents-id="urn:upi:mei:12345" title="GRAND SUMO TOURNAMENT" runtime="11:42">
  <section caption="SUMO WRESTLER 0 VS. SUMO WRESTLER 1" priority="5">
    <section priority="1">
      <segment start="smpte=00:00:00:00" end="smpte=00:00:04:17" priority="1"/>
      <segment start="smpte=00:00:04:18" end="smpte=00:00:09:08" priority="1"/>
    </section>
    <section priority="2">
      <segment start="smpte=00:00:09:09" end="smpte=00:00:14:13"
```

FIG. 4

```
  priority="2"/>
      </section>
      <section priority="3">
        <segment start="smpte=00:00:14:14" end="smpte=00:00:19:19" p
riority="3"/>
      </section>
      <section priority="1">
        <segment start="smpte=00:00:19:20" end="smpte=00:00:22:19" p
riority="1"/>
      </section>
      <section priority="3">
        <segment start="smpte=00:00:22:20" end="smpte=00:00:28:10" p
riority="3"/>
        <segment start="smpte=00:00:28:11" end="smpte=00:00:30:28" p
riority="3"/>
        <segment start="smpte=00:00:30:29" end="smpte=00:00:43:11" p
riority="3"/>
      </section>
      <section priority="2">
        <segment start="smpte=00:00:43:12" end="smpte=00:00:46:20" p
riority="2"/>
      </section>
      <section priority="3">
        <segment start="smpte=00:00:46:21" end="smpte=00:00:57:09" p
riority="3"/>
      </section>
      <section priority="2">
        <segment start="smpte=00:00:57:10" end="smpte=00:01:00:28" p
riority="2"/>
      </section>
      <section priority="4">
        <segment start="smpte=00:01:00:29" end="smpte=00:01:14:14" p
riority="4"/>
      </section>
      <section priority="2">
        <segment start="smpte=00:01:14:15" end="smpte=00:01:24:20"
```